

Dr. H. S. Saligman

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J. C. Holmes

Study of Mold Inhibition by Propylene Glycol.

Attached is Mrs. Johnson's report of our study of the mold inhibitory properties of propylene glycol in BL. The results of these tests indicate that the application of propylene glycol both in the binder and the over spray is the most effective treatment. Propylene glycol in the binder only is more effective than either glycerine or triethylene glycol.

If you desire further information, please contact us.

JCH:mar

cc: Dr. L. S. Harrow  
Mr. L. L. Long  
Mrs. Virginia Johnson

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# SPOT TEST OF TREATED BL.

DATE	GLYCERINE	TED	PROPYLENE GLYCOL		CONTROL
			IN BINDER	BLINDER AND OVERLAY	
	Beginning to mold	No mold	No mold	No mold	No mold
	Lot of mold	Beginning to mold	No mold	No mold	No mold
	Dish full of mold	Dish half full of mold	Few colonies of mold beginning	No mold	No mold
	Dish full of mold and the mold had turned dark on top.	Dish full of mold	More colonies of mold today than yesterday	One or two colonies of mold beginning	One or two colonies of mold beginning

These dishes were opened quite a bit for observation. I feel like the propylene glycol in the binder and overlay, as well as the control agar, became contaminated.

The propylene glycol in the binder and overlay is much superior to glycerine and

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